

BEGONIA NOMENCLATURE NOTES, 7

Jack Golding, 47 Clinton Ave., Kearny, NJ 07032
& Carrie Karegeannes, 3916 Lake Blvd., Annandale,
VA 22003

These Notes were originally intended to correct the citations and synonymy listed from the literature in *The Species of the Begoniaceae*, ed. 2 (1974) by Fred A. Barkley and Jack Golding. The literature has been reviewed and the citations verified. Because of the resulting numerous corrections and my changes in the method of listing the names, a new title, The Begoniaceae Species List, will be used. This will be a companion part and index for the Illustrated Key to the Species of Begoniaceae, in preparation by Lyman B. Smith and Dieter C. Wasshausen.

Carrie Karegeannes has contributed considerable research and editorial assistance for this work and she will be co-author of the new List. J.G.

During our review of the literature a number of changes in nomenclature have been found necessary and are corrected here.

BEGONIA

anamalayana Beddome, Trans. Linn. Soc. 25: 217.
1865.

= *anaimalaiensis* Beddome, Madras J. Lit. Sci.
III. 1: 48. 1864. India.

reniformis Beddome, Madras, J. Lit. 22: 72
(1861) non Dryander (1791) = *anaimalaiensis* Beddome
(1864). *anamalayana* Beddome, Trans. Linn. Soc. 25:
217 (1865) was published with the same description
as *reniformis* Beddome.

aptera Decaisne, Nouv. Ann. Mus. Hist. Nat. (Paris)
III. 3: 451 (1834), non Blume (1827), non
Roxburgh (1832); Miquel, Fl. Ned. Ind. 1.1:
692 (1856) [= *Diploclinium timorense* Miquel
1856]; A. de Candolle, Prodr. 15(1): 407
(1864) [= *Meziera salaziensis* Gaudichaud,
Voy. Bonite, Bot. pl. 32 1841]; non fide
Gagnepain, Bull. Mus. Hist. Nat. (Paris)

25: 281 (1919) [= *decaisneana* Gagnepain 1919].

= *timorensis* (Miquel) J. Golding & C.

Karegeannes. comb. nov. Timor.

Miquel transferred the illegitimate *aptera* Decaisne to *Diploclinium timorense* Miquel (1856). A. de Candolle listed both *aptera* Roxburgh (1832) and *Diploclinium tomorense* Miquel (1856) as synonyms of *Mezierea salaziensis* Gaudichaud (1841). But Gagnepain in his discussion of "The four different *Begonia aptera*" explained that *Mezierea salaziensis* Gaudichaud (1841) is a synonym of *aptera* Roxburgh (1832) which was transferred by Warburg in Engler & Prantl. Nat. Pflanzenfam. III. 6A: 139 (1894) to *salaziensis* Warburg (1894). Gagnepain also noted that *aptera* Decaisne (1834) was different and he gave it a new name, *decaisneana* Gagnepain (1919), but this epithet is superfluous because of the earlier *Diploclinium timorense*. A. de Candolle, Ann. Sci. Nat. Bot. IV. 11: 129 (1859) changed *Diploclinium* Wight to a section of *Begonia*. Therefore the epithet *timorense* has priority and is transferred to *Begonia* as *timorensis*.

attenuata (Klotzsch) A. de Candolle in Martius, Fl. Bras. 4(1): 383. 1861.

= *lanceolata* Vellozo, Fl. Flum. Icon. 10: pl. 33 1831. Brazil.

A. de Candolle gave a new name to his specimens because he considered *lanceolata* a doubtful species, too poorly drawn, but that is not sufficient cause for rejection and *attenuata* is superfluous.

bowringiana Champion ex Bentham, J. Bot. Kew Gard.

Misc. 4: 120 (1852); W. J. Hooker, Bot.

Mag. 86 pl. 5182 (1860); A. de Candolle,

Prodr. 15(1): 348 (1864) [= *laciniata* var.

bowringiana A. de Candolle 1864]; Irmscher,

Mitt. Inst. Allg. Bot. Hamburg 10: 533

pl. 11 (1939) [= *laciniata* subsp.

bowringiana Irmscher 1939 '*laciniata* euta.

reg. *bowringiana*'].

= *palmata* D. Don var. *bowringiana* (Champion ex Bentham) J. Golding & C. Karegeannes.

comb. nov. Hong Kong.

bracteata Jack var. *bracteata*, Malay Misc. 2(7): 13.

1822. nomen legitimum. Sumatra.

Koorders, Exkurs.-Fl. Jav. 2: 645 (1912) listed

bracteata Jack as a synonym of *lepida* Blume, Enum.

Pl. Javae 1: 98 (1827). Lyman B. Smith compared the herbarium specimen of *lepidula* Blume with the description of *bracteata* Jack and advised they are distinct, with quite different leaf bases. They will be listed as separate species.

laciniata subsp. *crassisetulosa* Irmscher, Mitt. Inst. Allg. Bot. Hamburg 10: 532. pl. 10 (1939)
'*laciniata* euta. *crassisetulosa*'.

= *palmata* D. Don var. *crassisetulosa* (Irmscher) J. Golding & C. Karegeannes. comb. nov.
China.

laciniata subsp. *diformis* Irmscher, Mitt. Inst. Allg. Bot. Hamburg 10: 531. pl. 8 (1939)
'*laciniata* euta. loc. *diformis*'.

= *palmata* D. Don var. *diformis* (Irmscher) J. Golding & C. Karegeannes. comb. nov.
China.

laciniata subsp. *khasiana* Irmscher, Mitt. Inst. Allg. Bot. Hamburg 10: 529. pl. 6 (1939)
'*laciniata* euta. reg. *khasiana*'.

= *palmata* D. Don var. *khasiana* (Irmscher) J. Golding & C. Karegeannes. comb. nov.
India.

laciniata subsp. *principalis* Irmscher, Mitt. Inst. Allg. Bot. Hamburg 10: 530. pl. 7 (1939)
'*laciniata* euta. *principalis*'.

= *palmata* D. Don var. *principalis* (Irmscher) J. Golding & C. Karegeannes. comb. nov.
China.

laciniata subsp. *laevifolia* Irmscher, Notes Roy. Bot. Gard. Edinburgh 21: 43 (1951) '*laciniata* euta. loc. *laevifolia*'.

= *palmata* D. Don var. *laevifolia* (Irmscher) J. Golding & C. Karegeannes. comb. nov.
China.

H. Hara, Fl. E. Himalaya 215 (1966), transferred *laciniata* Roxburgh, Fl. Ind. 3: 649 (1832), to *palmata* D. Don var. *palmata*, Prodr. Fl. Nep. 223 (1825). The above varieties and subspecies of *laciniata* are closest to and transferred as varieties of *palmata* D. Don.

laciniata var. *flava* C. B. Clarke in J. D. Hooker, Fl. Brit. Ind. 2: 645 (1879); Irmscher, Mitt. Inst. Allg. Bot. Hamburg 10: 529. pl. 4 & 5 (1939) [= *laciniata* subsp. *flava* Irmscher 1939 pro parte; = *laciniata* subsp. *gamblei* Irmscher 1939 pro parte]; H. Hara,

- J. Jap. Bot. 45: 91 (1970).
 = *flaviflora* H. Hara var. *flaviflora* 1970 pro parte. India.
 = *flaviflora* H. Hara var. *gambleri* (Irmscher) J. Golding & C. Karegeannes pro parte. India.
- laciniata* subsp. *flaviflora* Irmscher, Mitt. Inst. Allg. Bot. Hamburg 10: 531. pl. 9 (1939) '*laciniata* euta. loc. *flaviflora*'.
 = *flaviflora* H. Hara var. *vidua* J. Golding & C. Karegeannes. nom. nov. Burma.
- laciniata* subsp. *gambleri* Irmscher, Mitt. Inst. Allg. Bot. Hamburg 10: 528. pl. 3 (1939) '*laciniata* euta. loc. *gambleri*'; H. Hara, Fl. E. Himalaya 215 (1966) [= *palmata* var. *gambleri* H. Hara 1966].
 = *flaviflora* H. Hara var. *gambleri* (Irmscher) J. Golding & C. Karegeannes. comb. nov. India, Burma & China.
- The above yellow-flowered varieties of *laciniata* are closest to *flaviflora* H. Hara, which he noted "... differs from *palmata* in having yellow flowers with acute thin tepals, scarlet bracts, leaves with white short thick hairs, softly pubescent stems, petioles and peduncles with appressed brownish hairs, and sparsely hairy outer tepals and ovary."
- longipetiolata* E. G. Baker, J. Bot. 62. Suppl.: 44 (1924) '*longepetiolata*', non Gilg (1905).
 = *longipedunculata* J. Golding & C. Karegeannes. nom. nov. Sumatra.
- lucida* Parodi, Anales Soc. Ci. Argent. 5: 208 (1878), non Haworth (1821), non Otto & Dietrich (1848), non Kunth & Bouche (1848).
 = *lucidissima* J. Golding & C. Karegeannes. nom. nov. Paraguay.
- macrophylla* var. *concolor* (Klotzsch) Doorenbos ex F. A. Barkley & J. Golding, Sp. Begoniaceae ed. 2: 74 (1974).
 = *barkeri* Knowles & Wescott 1840. Mexico.

In his letters Jan Doorenbos, Dept. of Hort. of the Agricultural Univ., Wageningen, Netherlands, had advised that Klotzsch's description of var. *concolor* corresponds with *barkeri* as he knows it.

macrophylla var. *discolor* Doorenbos ex F. A. Barkley & J. Golding, Sp. Begoniaceae ed. 2: 74 (1974) [= *peponifolia* Visiani 1847].

= *barkeri* Knowles & Wescott 1840. Mexico.

In his letters Jan Doorenbos has advised that var. *discolor* was grown in the Berlin Botanic Garden as *peponifolia*. A. de Candolle, Prodr. 15(1): 341 (1864) cited *peponifolia* Visiani with *Gireoudia macrophylla* Klotzsch as a synonym (excluding *macrophylla* Dryander, actually Lamarck). Visiani's description appears to us to = *barkeri* Knowles & Wescott.

nitida var. *pilosula* A. de Candolle, Prodr. 15(1): 294 (1864).

= *obliqua* Linnaeus 1753? West Indies.

Schulz in Urban, Symb. Antil. 7: 10 (1911), returned *nitida* Dryander in Aiton, Hort. Kew 3: 352 (1789) to *minor* Jacquin, Collectanea 1: 128 "1786" (1787). But he excluded var. *pilosula*, probably because A. de Candolle distinguished it "with shaggy hairs here and there toward the tip of the petiole and on the veins underneath." *B. minor* is distinguished by being completely glabrous. Comparing this brief description of var. *pilosula* with Golding's live plants indicates it could possibly be = *obliqua* Linnaeus (1753).

pauciflora Lindley, Bot. Reg. 6: pl. 471. Notes CC (1820); Haworth, Saxifrag. Enum. 196 (1821); J. Golding, Begonian 44: 329 (1977) [= *fischeri* Schrank 1820, *sphalma*].

= *dubia* Haworth, Succ. Pl. Suppl. 101. 1819. Brazil.

J. Golding, Begonian 44: 329 (1977), advised that *pauciflora* Lindley was not a synonym of *patula* Haworth (1819) and, based on the synonymy published by others, wrote that it was a synonym of *fischeri* Schrank (1820). However, Haworth, Saxifrag. Enum. 196 (1821), observed that he believed *pauciflora* Lindley (1820) was the same as *dubia* Haworth 1819. His description of *dubia* is very brief, but since he actually saw both plants it is best to accept his determination.

- pennellii* L. B. Smith & B. G. Schubert subsp.
lobato-ovata Irmscher, Bot. Jahrb. Syst.
 76: 84. 1953.
 = *erythrocarpa* A. de Candolle, Ann. Sci. Nat.
 IV. 11: 121. 1859. Bolivia, Peru.
- pennellii* L. B. Smith & B. G. Schubert var. *longiloba*
 Irmscher, Bot. Jahrb. Syst. 76: 85 (1953).
 = *erythrocarpa* A. de Candolle 1859.
- pennellii* L. B. Smith & B. G. Schubert f. *macrantha*
 Irmscher, Bot. Jahrb. Syst. 76: 86 (1983).
 = *erythrocarpa* A. de Candolle 1859.
 L. B. Smith & B. G. Schubert, J. Wash. Acad.
 Sci. 45: 114 (1955) transferred *pennellii* L. B. Smith
 & B. G. Schubert, Field Mus. Nat. Hist. Bot. Ser.,
 13: 196 (1941) to *erythrocarpa* A. de Candolle 1859.
 L. B. Smith has advised that there are many inter-
 gradations in the herbarium specimens of *pennellii*
 and *erythrocarpa* and that the characteristics used
 by Irmscher for his combinations are not really
 distinctive.

- peponifolia* A. T. Brongniart ex F. Cels, Ann. Fl.
 Pomone 105. 1842.
 = *barkeri* Knowles & Wescott, Flor. Cab. 3: 179
 pl. 135. 1840. Mexico.
- peponifolia* A. T. Brongniart var. *beta* A. T.
 Brongniart ex F. Cels, Ann. Fl. Pomone 106.
 1842.
 = *barkeri* Knowles & Wescott 1840.
- peponifolia* hort. ex Schlechtendal, Linnaea 24: 180.
 1851.
 = *barkeri* Knowles & Wescott 1840.
- peponifolia* hort. Berol. ex Klotzsch, Abh. Konigl.
 Akad. Wiss. Berlin "1854" (1855); --
 Begoniac. 96 (1855) pro syn. *Gireoudia*
macrophylla var. *discolor* Klotzsch (1855);
 A. de Candolle, Prodr. 15(1): 341 (1864)
 [= *peponifolia* Visiani ex A. de Candolle
 1864].
 = *barkeri* Knowles & Wescott 1840.
- peponifolia* Visiani ex A. de Candolle, Prodr. 15(1):
 341. 1864.
 = *barkeri* Knowles & Wescott 1840.

The earliest citation for the epithet
peponifolia was in Ann. Fl. Pomone 105 (1842) de-
 scribing a species from Mexico. Klotzsch in 1855
 listed *peponifolia* hort. Berol. as a synonym of
Gireoudia macrophylla var. *discolor*, but in error
 listed the habitat as Jamaica. A. de Candolle listed

Gireoudia macrophylla Klotzsch as a synonym of *peponifolia* Visiani and continued to list the habitat as Jamaica. His citation of Visiani as the author and the habitat are not correct. From a comparison of the descriptions they are all = *barkeri* Knowles & Wescott from Mexico.

sootepensis Craib var. *thorelii* Gagnepain in Lecomte, Fl. Indo-Chine 2: 1104. 1921.

= *yunnanensis* Léveillé var. *thorelii* (Gagnepain) J. Golding & C. Karegeannes. comb. nov. Laos.

Craib, Bull. Misc. Inform. 57 (1911), named *sootepensis* Craib. Later, Craib, Aberd. Univ. Stud. 47: 96 (1912), noted that after the examination of additional material he was disposed to regard *sootepensis* Craib as a variety of *yunnanensis* Léveillé, Repert. Nov. Sp. 7: 20 (1909). Gagnepain in Lecomte, Fl. Indo-Chine 2: 1104 (1921), established *sootepensis* Craib var. *thorelii* Gagnepain. But this is illegitimate because of the earlier transfer by Craib and we establish this new combination.

verticillata W. J. Hooker, Icon. Pl. 9: pl. 811 (1851), non Vellozo (1831); A. de Candolle, Prodr. 15(1): 353 (1864).

= *adenopoda* Lemaire 1852. Burma.

B. verticillata W. J. Hooker is illegitimate because of the earlier *verticillata* Vellozo 1831 and is replaced by the next earliest name.

GENERIC SYNONYMS

Diploclinium

areolatum Miquel, Fl. Ned. Ind. 1. 1: 1091 (1858) quoad pl. Sumatra, non Miquel (1856); -- Fl. Ned. Ind. Eerste biju 332 (1861) [= *Platycentrum robustum* var. *hirsutior* Miquel 1861].

= *Begonia robusta* Blume var. *hirsutior* J. Golding & C. Karegeannes. comb. nov. Sumatra.

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